

ABSTRACT

A method, an apparatus, and a carrier medium to determine the location of a wireless station (a client station of a wireless network or a potential rogue access point). The method includes accepting an ideal path loss model and calibrating the ideal model using path loss measurements between access points at known locations. The calibrating determines a calibrated path loss model between the access points. The method further includes determining path losses between the wireless station of unknown location and at least some of the access points. In the case the wireless station is a client station, the determining includes receiving measurements from the wireless station of unknown location measuring the received signal strengths as a result of respective transmissions from at least some of the access points at known respective transmit powers. In the case the wireless station is an potential rogue access point, the determining includes receiving measurements from at least some of the access points measuring the received signal strength at each of the access points resulting from transmission by the potential rogue access point for each of a set of assumed transmit powers for the potential rogue. The method further includes determining the likely location or locations of the wireless station using the measured path loss and the calibrated path loss model.